

1907 no 2

*California*

Vernon Bailey

1907

Calif.

July 22 Santa Ana  
Ocangal

Olive

Santa Ana R.

*Opuntia occidentalis*, spines short & few  
" " " few  
" " " few  
wood

*Nicotiana glauca* abu. com  
*Baccharis viminea* " " gcr.  
*Croton californicus* " " abu.  
*Eremocarpus setigerus* " " com  
*Luzula diffusa* " " com  
*Salix* along stream

" up canyon  
*Populus fremontii* " "  
*Platina* on flats  
*Quercus agrifolia* on foothills  
*Rhus laurina* " "  
*Eriogonum fasciculatum* " "  
*Athemis californica* " "  
*Ranunculus polystachya* " "  
" *stachyoides* "

*Pseudotriglochin macrocephala*  
(in the gulches of Santa Ana Mts.)

### Canyon

*Drimocarpa tetragona* abn  
*Artemisia californica* "  
*Eriogonum fasciculatum*"  
Canyon  
*Rhus laurina* "  
 " ovata "  
*Rhamnus crocea* com  
*Platynus* along cr.  
*Ranuncula polystachys* "  
 " stachyodes "  
*Erythronium tuolumnense* "  
*Paeonia* leafless "  
*Thlaspi californicum* "  
*Berberis aquifolia* on south hill com  
*Hedysarum* com  
*Rhus trilobata* "  
*Pentstemon amethystaceus* yellow "  
*Circocarpus parvifolius* "  
*Romneya coulteri* "  
*Rhamnus torreyana* "  
*Yucca whipplei* "  
*Lonicera* "  
*Rosa* "  
*Rubus* 2 "  
*Mimulus glaucescens* "  
*Acer macrophyllum* a few  
*Adonis lutea* abn high up "  
*Dudleya* a few "  
*Pseudostellaria macrocarpa* mid up "

### Ribes

*Ribes cereum* a few  
*Camassia esculenta* "  
 " *intermedia*? "  
*Fragaria* "  
*Rhus glauca* com  
*Daphne* abn a few  
*Malus* a few  
*Salix* 2 "  
*Barebara viscosa* along cr.  
*Hosackia glabra* abn  
*Semiarctotheca dogensis* com

### Terrestrial

*Odocoileus*  
*Citellus beecheyi*  
*Neotoma macroura*  
 " *intermedia*  
*Peromyscus*  
 " "  
*Mesotoma californicus*  
*Perodipus*  
*Thomomys pallidus*  
*Canis*  
*Urocyon*  
*Procyon*  
*Lynx*  
*Felis*  
*Scapanus*  
*Vesperomys fuscus*

July 23 Corona W

Ere			<i>Ranunculus polystachys</i>	1200 - x
Ar			" <i>steckgooides</i>	" - x
Er	Coldwater Canyon, Glen Ivy		<i>Mimulus luteus</i>	
	July 24 -	alt 1400 ft		
	<i>Platina racemosa</i>	- 2500		scarlet
Rhu	<i>Alnus</i>	- x	" <i>glabrata</i>	
"	<i>Quercus agrifolia</i>	x	<i>Pteris</i>	
Rha	<i>Amur</i>	x	<i>Woodsia</i>	
Psi	<i>Salix</i>	x	<i>Adiantum</i>	
Ra	"	x	Common fern & others	
"	<i>Populus fremontii</i>	1000-1050	<i>Aralia</i>	
Ere	<i>Rhamnus californica</i>	1400 - x	<i>Ribes</i>	<i>sanguineum</i>
Psi	" <i>tomentella</i>	" - +	"	spiny
"	" <i>coccinea ilicifolia</i>	x - x	"	posy
Qu	<i>Ceanothus</i>	1200 - x	<i>Erriogonum fasciculatum</i>	
He	<i>Rhus laurina</i>	" - x	<i>Yucca whipplei</i>	1400 - x
Rh	" <i>ovata</i>	x - x	<i>Zorniera subspinata</i>	
Pe	" <i>divaricata</i>	1200 - x	<i>Eridolium tomentosum</i>	
Ci	" <i>trilobata</i> in valley	"	<i>Astilbe californica</i>	
Fr	<i>Circocarpus parvifolius</i>	" - x	<i>Romneya coulteri</i>	
R	<i>Fraxinus</i>	1500 x	<i>Dudleya pulverulenta</i>	
R	<i>Acer macrophyllum</i>	" - x	<i>Pseudotsuga menziesii</i> 2500-5300	
V	<i>Aristostophytes</i>	1400 x		
Ad	<i>Adenostoma fasciculatum</i>	1500 x	<i>Prunus ilicifolia</i>	bitter leaf
Vitis		1500 x	<i>Opuntia occidentalis</i>	in valley
Rub	<i>Rubus</i>	" - x	" <i>berlandieri</i>	"
Umb	<i>Umbellularia</i>	a few	<i>Eremocarpus stelligera</i>	"
Q	<i>Quercus wislizenii</i>	"	<i>Baccharis chrysanthra</i>	"
S	" <i>dumosa</i>	"	<i>Baileya edulis</i>	"
P	<i>Pistacia</i>	1400 x yellowish	"	leaves
			<i>Tamiasciurus glauca</i>	"
			<i>Rhamnus crocea?</i>	"

Torrey's

Spiraea douglasii in valley  
*Croton californicus* ? "  
*Cucurbita* "  
*Madrina* "  
*Asteriasia*? tall.

*Eryngocarpus setigerus* aber.  
*Cedron californica* "  
*Media elegans* "  
*Gutierrezia diversifrons*; tall "  
*Trichostema lanceolatum* "

July 2 to Elsinore

*Juniperus monosperma* trees  
*Baccharis viminea* alongs.  
*" ericoides* "  
*Phacelia borealis* "  
*Opuntia occidentalis* abn  
*" bernardina* "  
*Ceanothus divaricatus* spv.  
*Eryngocarpus setigerus* abn  
*Croton californicus* "

Oranges in town & country  
Lemons west of lake  
Olives "  
Pipper trees "  
Acacia's "  
Opuntia " trees, 2  
Agave gigantea & marginata com

Elsinore

*Artemisia californica* on hill  
*Ramona polystachya* "  
*" decaryoides* "  
*Erriogonum fasciculatum* "

*Salix nigra vallidea* alongs.  
*" macrostachya* silky "  
*" lasiolepis* "  
*" lavigata* high "  
*Phacelia borealis* along lake  
*Baccharis viminea* "  
*" ericoides* "

July 29 Elsinore 7 A.M.

Perris -

On hills - same bushes

In valley

Eucalyptus sitigera

Quercus divergens

Frishostema lanceolatum

Atriplex

Abronia

Hemet

Washingtonia

Pheasant

Agaves • big

Orange

Lemon, grapefruit

Olive

Loquat

Pomegranate

Walnut

Pepes, Tue

Apricots

Plauches

Pear

Figs

Eucalyptus

Catalpa

Almond

Almond

Groakles

Hemet

July 20.

1600 ft

Eucalyptus sitigera

Otton cabojina

Moronea umbellata?

Eucalyptus factidifolia

"

Argemone

Saltus

Mesilex

Silianthus annus

Atriplex

Baccharis viridis

" leptos

Madia elegans

Anisocladus

Dentella accidentalis

Populus pumila

Gutierrezia droogas

Gambelia glauca

Yucca notavensis

potthill 1950

Ramona polystachys

Eriodictyon tomentosa

Hosackia glabra

Eriogonum patens elatius

Artemisia californica

Phoradendron

Citrus

Spiraea verbascifolia

- 2500  
abn

- 2500  
" "

- 2500  
" "

- 2500  
con

= 2000  
"

- 2500  
"

pink - "

- 1 "

- 2000  
con in place

- 3500

- 2000  
light

- 2000  
con

- 2500  
in place

- 3000

- 2000

- 5500

- 2500  
open

- 3000

- 2000

- 5000

- 4500

- 4000

- 6000

- 4500

- 3000

- 2500

- 4000

- 2500

C	<i>Quercus aginfolia</i>	2000-2500	<i>Quercus Sympidjis</i>	4300
Ere	<i>Rhamnus</i> ?	2000-4000	"	2500-5000
Ar	" n	3000	<i>Pinus</i> <del>aristata</del>	4500-
Er	"	" 4500	"	-
Rhu	<i>Solidago</i> <del>macrostachya</del>	1800-2000	<i>Lithospermum</i>	"
Rho	<i>Opuntia</i> <del>bernardina</del>	" 2500	<i>Cercocarpus parvifolius</i>	2500-5000
Pt	<i>Cercocarpus pacificus</i>	22400-23	<i>Alderostoma</i> <del>sparipinnig</del>	3000-5000
Ra	<i>Rhus</i> <del>Velutata</del>	2000-3000	<i>Arctostaphylos</i> <del>patula</del>	aneth
Rho	" n	" 2500	<i>Quercus californica</i>	4000
Pt	"	" "	<i>Pseudotaxus macrocarpa</i>	3300-5000
Ra	"	" 2100	<i>Pinus papyrifera</i>	4500-
Er	<i>Cytisus tomentosus</i> ?	2500-5000	<i>Arctostaphylos</i>	aneth 2000-3500
Pt	<i>Arctostaphylos</i> <del>tomentosus</del>	2500-	<i>Ceanothus integrigerus</i>	" -
Ra	<i>Artemesia tridentata</i> a few at 2100	"	<i>Quercus californica</i>	4500-
R	<i>Rivers</i> 2000	"	" westigeni	2500-5000
Bu	<i>Pectis</i> <del>tenore</del>	break 2000	<i>Tropaeolum</i>	- 1500
He	<i>Thlaspi whipplei</i>	2200-3200	"	- 4
R	<i>Alnus</i>	2000-5500	<i>Psoralea</i>	big
P	<i>Solidago</i>	" -	<i>Gilia</i>	blue
G	" nigra	" 2500	<i>Fragaria</i>	- "
F	<i>Ceanothus diversifolius</i>	2000-	<i>Apocynum</i>	- "
K	" integrifolia?	"	<i>Asclepias</i>	big
K	<i>Getonia</i>	2000-4000	<i>Asclepiadaceae</i>	- "
Z	<i>Fremontia</i> <del>bryophila</del>	" 3500	"	-
R	<i>Opraea</i>	" 500	<i>Quercus westigeni</i>	2500-5000
R	<i>Vitis</i>	" 2500	<i>Ceanothus cuneatus</i> ?	2500-5000
I	<i>Rosa</i>	3000-6000	<i>Solidago</i>	5000-6500
C	<i>Hibiscus</i> fsp.	" 3000	<i>Eriogonum</i> shrubby	" - "
C	<i>Oak leaves</i> " 2240	"	"	-
P	<i>Phacelia</i> <del>barboloides</del>	1 Jan 2300	"	-
P	<i>Passiflora</i> <del>glauca</del> fl. 1	2500	"	-
P	<i>Micromeria glauca</i>	a few "	"	-

Zodgylwild

C	<i>Pinus contorta</i>	4500 - 7000
Ere	" <i>ponderosa</i>	4500 - 5400
Ar	" <i>jeffreyi</i>	" - 9500
Es	" <i>lambertiana</i>	6000 - 8500
Rhu	<i>Liquidambar</i>	4500 - 8700
Pto	<i>Abies concolor</i>	low - 9500
Pt	<i>Quercus californicus</i>	4000 - 7700
Pa	" <i>chrysolepis</i>	4000 - 7700
Eru	<i>Alnus rhombifolia</i>	2000 - 6500
Po	<i>Salix</i>	" - 6500
Po	"	- 6500
Arc	<i>Arctostaphylos viscida</i>	
Qu	"	- 6500
the	<i>Garrya</i>	
R	<i>deviriacates</i>	- 6500
P	" <i>intermedia</i>	4500 -
C	<i>Rhamnus townsendii</i>	- 6500
F	Sambucus	- 6000
R	<i>Ribes sanguineum</i>	- 6000
V	<i>Rosa californica</i>	- "
Lo	<i>Rubus nutkana</i> (porriflora)	- 8500
D	<i>Rhododendron occidentale</i>	5000 - 6000
R	<i>Lonicera</i>	2500 - 5000
T	<i>Pentstemon ternata</i> scarlet	- 8500
C	" <i>anthochroa</i> , bush	- 6000
C	"	- "
P.	<i>Cercocarpus parvifolius</i>	2500 - 3000
	<i>leptophyllus</i>	10000 - 7500

Up Mts Aug. 3.

	<i>Castanopsis</i>	5000 - 10800
	<i>Arctostaphylos</i>	.. - 9300
	<i>Pinus flexilis</i>	8200 - 10800
	" <i>murrayana</i>	.. - "
	<i>Symplocarpas</i>	9500
	<i>Ribes nevadensis</i>	10500
	<i>Prunus</i>	9300
	<i>Lupinus</i>	snow leaf " 10000
	<i>Veratrum</i>	variegated " 9000
	<i>Dodecatheon</i>	" "
	<i>Polygonum</i>	" "
	<i>Castilleja</i>	red " 9700
	<i>Salix</i>	- 8000
	<u>Campot Cobin</u>	8500
	<i>Pinus jeffreyi</i>	- 9600
	<i>Abies concolor</i>	- 9100
	<i>Pinus murrayana</i>	8000 - 10800
	" <i>phyllis</i>	" "
	<i>Ribes nevadensis</i> (scord)	" 10800
	" <i>laevigatum</i> (spiny bay) (cut leaf)	8500 - 9000 9000 - 9500 - 10000
	<i>Symplocarpas</i>	
	<i>Ceanothus intermedia</i>	- 9500
	<i>Castanopsis</i>	- 10800
	<i>Lupinus</i>	big pink " 9500
	"	big blue 8500
	"	snow leaf, light blue - 10000
	<i>Pteris</i>	5000 - 9700
	common fern	
	<i>Cynopteris?</i>	big - 9700
	<i>Thalictrum</i>	" - 9000
	<i>Hedysarum</i>	8000 - 9000

C	Castilleja	rd. vires	-9800
Ere	Geranium		-9000
Ar	Geum 'tostiflora'		-8500
Er	Potentilla	whls	-9000
Rho	Artemisia		-8500
"	Phaselia		-9200
Rho	Lithium parryi		-9500
Vera	Veratrum		-9000
Pt	Mimulus luteus?	big shiny	-9500
Ra	"	tiny shiny	-9500
	Prunus		9300 <sup>sw</sup>
Er	Alopochen "boorei?" - not		-9100
Pt	Zent, Aug. 4	9000	
R	Peak 10800 - San Jacinto		
Ca	Castiopsis s.w.	10800	
He	Ribes nivadensis		"
R	Pinus peuce	dwarf	"
P	Huichela		"
A	Carex		"
F	Sphagnum umbellata		9000-
R	Clatonia		"
H	Holodiscus		"
Zo	Silene	yellow	8500-107000
R	Ribes prostratum "		8600
R	Pinus Jeffreyi		-9200
T	Acer cordon		-9200

Aug. 7 rep Zanqueby Peak			
	Cercocarpus ledophyllus	1 of 8826	
	Chionophila picta	1 of 8500	
<u>Aug. 11 to Hemet Reservoir</u>			
	Artemisia tridentata	4300 - 4500	
	Abies	" 4000	
	Malvastrum	"	
	Argemone	a few	-4300
	Eryngium pectinatum	-	4500
	Gutierrezia euthamiae	-	4400
	Wyethia		8300-4500
	Solidago	3000-6000	
	Ericagrum	shabby	" - 6500

Aug. 13 Idylwild to Hemet.			
	Gaiphyllum	4500 - 6000	
	Monardella	" - "	
	Achillea	" - "	"
	Euphorbia	" - "	"
	Astragalus	" - "	"
	Himalaya glutinosa	-	6000
	Ribes speciosum	3000-4400	
	" malvacium viridiflorum	3000-4000	
	Datura	- 2500	
	Cascabela	- 2000	
	Lupinus	pinky	"
	" pallax?	- "	

P. Brd to Idylwild Aug. 5,

Aug. 3 San Jacinto Mts.

Dendroica auduboni, com 8000-9500  
 Junco - 10700  
 Melospiza con, nest at 9000.  
 Jacksnipe abn of 8500-10500  
 Spinella arizonae - 8000  
 Oreortyx 2, 4, 5 yg. 8000-9000  
 Oreospiza 8000-9500  
 Hirundo mantes com at 9500  
 Dryobates scalaris 2 at 9000  
 Picoides 1 at "  
 Zenaidura 3 at "  
 Sialia - 9200  
 Empidonax difficilis gg 8500-9000  
 Spinus tristis head 9000  
 Phainopepla abn "  
 Sitta pygmaea 8500  
 " acutata "  
 Meleagris 1 at 9000  
 Melospiza lincolni feeding ya at 9000  
 Troglodytes com - 7700  
 Eulophorus platycercus?  
 " rufus?  
 Parus amplus gg. at 1 at 10800  
 Corvus brachyrhynchos 1 at 10800  
 Salpinctes 1 at 10500  
 Accipiter velox 1 " "  
 Goshawk 2 - 9500  
 Dendroica auduboni & gg at 9000 & 9500  
 Kingbird gg 9500  
 Pipilo maculatus imm. 9300.  
 Spizella breweri 1♂ 9000

Odoselius 5300-9500  
 Scirurus f. boyantii 5000-9000  
 Citellus leechi - 9500  
 Citellus mormon 15300  
 " stephensi 8000-10700  
 Peromyscus gambeli 15300-9000  
 " texensis 5300-  
 Neotoma "  
 Microtus calif - "  
 "  
 Thomomys 8500-9000  
 Lynx "  
 Procyon - 9700  
 Felis trades at 7500  
 Procyon trades - 9000  
 Nephritis "  
 Sorex 1000  
 Scapanus 8000  
 Neopetetes 5300-9000  
 Myotis "  
 Ectomys on P. manicata gravings at 9500.  
 Zapus at Forest Res. holes 4400  
Perodipus, Lepus cat.  
 Zapus pictus, multicinctus 1 at 5400  
 Crotalus molossus 5000-8000  
 Petrophorus 1, 4500,  
 Entomias 1, 5400  
 Chrysothamnus 1, 5300  
 Geotomus big - 5300  
 " biseptatus.  
 Uta stansburiana  
 Onychophorus tenuis 74500

C	<i>Colaptes</i>	-	8700
Ere	<i>Himationothrix s. luteiceps</i>	-	8700
Ar	<i>Entomodestes richardsoni</i>	-	8500
Ex	<i>Cyanocitta</i>	-	8000
Rhu	<i>Melanerpes formicivorus</i> occipitalis	-	6500
"	<i>Geococcyx</i>	1 & trills at	5000.
Pta	Aug. 11 to Ken Camp & Hunt Res.		
Pt	<i>Pipilo fuscus squamatus</i>	3	- 5000
Ra	<i>Myiochanes</i>	3	- 5000
Eri	<i>Aphelocoma</i>	com	- "
Po	<i>Zenaidura vociferans</i> & ygg.	com	4300-4500
Po	<i>Chondestes</i>	com.	- "
Tal	<i>Talos sparverius</i>	7	4300-4500
Sp	<i>Zenaidura passerinus</i>	1	"
He	<i>Catherpes</i>	1	-
R	<i>Habia fuscicauda</i>	2	-
P	<i>Piranga ludoviciana</i>	1	"
Gr	<i>Poliophlytes</i>	near	-
F	<i>Psarocolius</i>	4	20
Pa	<i>Cyanospiza</i>	com	4300
Y	<i>Buteo calurus</i>	1	"
Lo	<i>Sitta pygmaea</i>	abn.	"
R	<i>Sayornis nigricans</i>	1	"
Pa	<i>Tachycineta</i>	abn.	-
T	<i>Amphispiza nevadensis</i>	com	"
C	<i>Sturnella</i>	abn.	"
E	<i>Euphagus</i>	3	"
C	<i>Cloudes</i>	2+6	4300-4500
F.	<i>Zenaidura vallidea</i>	3	"
"	<i>Querula</i>	2	4500

<i>Otocoris</i>	near	4500
<i>Corvus</i>	2 at	4
<i>Spizella</i>	"	"
<i>Sialia</i> abn.	4300-5300	"
<i>Colaptes collaris</i>	com.	4300
<i>Sitta pygmaea</i>	com.	"
"	"	"

	Aug. 14, Henet & Sam Jacobs	
Ery	<i>Eryngium sibiricum</i>	abn
Cro	<i>Croton californicus</i>	"
Ar	<i>Arenandra virgata</i> (mobi)	"
Er	<i>Ptilories virgata</i> (chona)	"
	" <i>pleurocarpa</i> "	"
Rhu	<i>Grenobilia</i>	com.
"	<i>Habenaria annua</i>	"
Rho	<i>Gutierrezia divaricata</i>	"
Pi	<i>Xanthium</i>	weed
Ra	<i>Zizaniopsis thistles</i>	"
Eru	<i>Abronia</i>	abn
D	<i>Datura</i>	"
O	<i>Cucurbita foetidissima</i>	"
"	" <sup>#13</sup>	"
He	<i>Hordeum</i>	weed
R	<i>Amelanchier</i>	"
P	<i>Oenothera</i>	1219
C	" <i>Succowii</i>	1220
F	"	a few
R	<i>Nicotiana glauca</i>	1213
"	"	com.
Y	<i>Artemesia californica</i>	1214
Z	<i>Ranunculus polystachyus</i>	annual
R	" <i>stachyoides</i>	"
P	<i>Hosackia globosa</i>	"
I	<i>Opuntia arborescens</i>	"
"	" <i>occidentalis</i>	"
"	" <i>tunii?</i> big, sparses	"
G	<i>Gutierrezia euthamiae?</i> on foothills	few
T	<i>Senecio douglasii</i>	" " few

<i>Baccharis viminea</i>	com
" <i>bipinnata</i> 1211	in places
" <i>'filifolia'</i> 1212	"
" <i>"pilularis"</i> ?	"
<i>Argemone platyceras</i>	a few
<i>Helianthoides</i>	1215 foothills, com
"	" "
<i>Chilopsis linearis</i> long woody, abn	
<i>Prosopis juliflora</i> 3 patches	
" <i>pubescens</i> 2 trees	
<i>Malvastrum fasciculatum</i>	a few
<i>Nicotiana laevedata</i>	abn
<i>Heliotropium curassavicum</i>	"
<i>Salix nigra vallicola</i>	in places
"	
<i>Populus fremontii</i>	abn.
<i>Sambucus glauca</i>	com.
<i>Phoradendron</i>	"
<i>Platium</i>	
<i>Suaeda suffruticosa</i> + smaller, abn.	
<i>Salicornia</i>	"
" <i>Stachia</i> "	1216 "
<i>Chenopodium canescens</i>	"
"	" "
<i>Juncus lacustris</i>	annual
" <i>balteatus</i> ?	" "
<i>Distichlis aristina</i>	"
<i>Tetradymia canescens</i>	com

Aug. 14, Kern & San Joaquin.

Ere	<i>Citellus beecheyi</i>	com
Ar	<i>Motona intermedia</i> in cactus,	"
Er	<i>Pezognathus</i>	!, abn.
	<i>Mus musculus</i>	Lombard wire
Rhe	<i>Perodipus</i>	tracks, com
"	<i>Dipodomys</i>	" , com
Rho	<i>Thomomys pallidus</i>	"
Pt	<i>Lepus auduboni</i>	" "
Ra	" <i>californicus</i>	" "
Canis		tracks
Vulpes	<i>vancouveris</i>	" "
Urocyon		tracks
Mephitis		"

### Riverside Aug. 14

Thomomys	
Perodipus	
Dipodomys	
Lepus auduboni	
Canis	

Aug. 16, Riverside

<i>Eurocarpus setigerus</i>	abn
<i>Croton californicus</i>	"
<i>Baccharis viridis</i>	"
<i>Tetradymia squarrosopilosa</i>	com.
<i>Baccharis margini</i> , big leaf	"
	petiolata?
<i>Ptilonia virginata</i>	abn.
" <i>pluvialis</i>	"
" <i>minimoides</i>	1213 off.
	"
<i>Hibiscus arnottianus</i>	"
<i>Deerandra virginata</i>	"
<i>Hordeum</i>	weed
<i>Amsinckia</i>	" com
<i>Antennaria suffrutescens</i>	"
<i>Datura</i>	"
<i>Ceratostigma</i>	"
<i>Cuscuta</i>	"
<i>Mentha glauca</i>	"
<i>Opuntia bravoana</i>	afw
" <i>ocotilloides</i>	on foothills com
"	" "
<i>Salix n. vallidea</i>	fg, in gullies
" <i>mossambica</i>	com
<i>Populus fremontii</i>	"
<i>A. latifolia</i>	"
<i>Sambucus glauca</i>	"
<i>Scirpus drymifolius</i>	"
<i>Eriogonum fasciculatum</i>	"

C Hesackia glabra on foothills con  
Ere Artemisia ~~californica~~  
Ar Rawsonia polystachya  
Er " stachyoides  
" Arianthoides" 1215  
Rhu Rhus laurina on hills a few  
" trilobata " " " es  
Pho Adonis pascuorum on hilltops "

Aug. 17, Redlands 1200 feet

C.	<i>Eremocarpus stizigera</i>	- 3000
Ere.	<i>Croton californicus</i>	1200 - 3500
Ar.	<i>Baeckea viminea</i>	" 2000 in cañon 3500
Er.	"	- 2500
Rhe.	" <i>Semeiodis</i>	- 2000
Rhe.	"	1213.
Rhe.	" <i>Bennardia virginata</i>	1214.
Rhe.	" <i>Ptiloria virginata</i>	"
Pl.	" <i>pleurocarpa</i>	"
Re.	<i>Helianthus annuus</i>	- 2500
	<i>Gutierrezia diversifolia</i>	- 2000
Er.	<i>Opuntia berlandieri</i>	- 2500
Rhe.	" <i>occidentalis</i>	"
Rhe.	"	and pods - 2000
Qu.	<i>Salix nigra</i>	- 2500
the.	" <i>macrostachya</i>	"
R.	"	- 3000
P.	<i>Populus tremuloides</i>	- 3500
C.	<i>Platanus</i>	- 3000
F.	<i>Eucalyptus glutinosa</i>	1800 - 5500
F.	<i>Hosackia glabra</i>	- 3500
M.	<i>Astragalus californicus</i>	2500
L.	<i>Ranuncula polystachya</i>	3500
D.	" <i>stachyoides</i>	2500
R.	" " <i>parva</i>	3500 - 6500
	<i>Eriogonum parvifolium</i>	3500
	<i>Lepidium foliosum</i>	- 2500
	<i>Scabioses glauca</i>	6200
C.	<i>Nicotiana glauca</i>	1200 - 2000
	<i>Malva adonis paniculata</i>	" - 2000
	<i>Clinopodium</i>	6000
	<i>Pentstemon austromoides</i>	- 3500
	<i>Hosackia glabra</i>	500. 2000 - 3500

<i>Trichostema lanatum</i>	3500 - 6500
<i>Turpentine monspeliensis</i>	1800 - 2000
<i>Adenostoma fasciculatum</i>	" - 6000
<i>Yucca whipplei</i>	" - 6000
<i>Rhus trilobata</i>	2000 - 5500
" <i>diveolata</i>	" - 4000
" <i>ovata</i>	" 4300
<i>Crassulus crusgalli</i>	" 4000
" " <del>integerrimus</del> <i>thyrsiflorus</i>	" 6500
<i>Cereocarpus betulifolia</i>	" 5000
<i>Quercus dumosa</i>	" "
" " <i>viscosa</i>	" 6800
<i>Prunus ilicifolia</i>	" 4000
<i>Salix M. tristis</i>	" 6000
"	" 3500
<i>Populus trichocarpa</i>	" 2500
<i>Alnus shubertiana</i>	1800 - 5500
<i>Pseudolenga macrocarpa</i>	SW. 4500 - 6500 NE. 2700 - 3500
<i>Quercus chrysotipha</i>	3500 - 7500
<i>left creek</i>	"
<i>Garrea V. palmeri</i>	" 5600
<i>Arctostaphylos townsendii</i>	" 6500
" <i>glauca?</i>	2000 - 6000
<i>Pinus subspicata</i>	2000 - 5500
<i>Castanopsis obtusa rigidum</i>	3000 - 5000
<i>Ceanothus perplexans</i>	4500 - 6000
<i>Arctostaphylos manzanita</i>	4500 - 6000
<i>Pinus ponderosa</i>	a few "
<i>Artemisia tridentata</i>	E. 6700 - 7500 " 4700 - 6200
<i>Fragaria</i>	" 5 - 7500

C.	E. <i>Bartonia</i>	<del>terrestris</del>	2500-4000
Ore.	C. <i>Prunus</i>	<del>denudata</del>	4600-5000
Ar.	B. <i>Alnus</i>	<del>lanceolata</del>	9 - 7300
Es.	H. <i>Baccharis</i>	<del>stonei</del>	" - 6000
Rh.	" <i>Pinus</i>	<del>gallardii</del>	5000 - 6200
"	"	<del>canescens</del>	" -
Rh.	" <i>Leptosiphon</i>	<del>Clarkii</del>	" -
Rh.	" <i>Pl.</i>	<i>Abies</i>	" -
Pl.	H. <i>Abies</i>		3500-4300
R. Hill	Ceanothus		
Jct.		Transition on SW,	
Es.	O. <i>Apies</i>		6500
Pa.	P. <i>Pinus</i>	Jeffreyi	6500-
S.	Ceanothus	intergrimus	" - 9500
Q. So.	Pentstemon	<del>lambertianus</del>	7200-
Hi.	Gilia	<del>aztecus</del>	7000
R.	Castilleja	blue	- 6000
P. Pa.	Aacetosella	petala, green	7000-8000
C. Pl.	Castilleja		7000
F. Es.	Ribes	big skyberry	4500 -
I. Ho.		Top of ridge	7700
I. A.		Bluff Lake	7500
L. R.	Veratrum	catifornicum	" - 8500
R.	Dodecatheon	alpinus	
E.			
L.			
S.			
N.			
W.			

Bluff Lake	
Pinus	pondrosa
"	jeffreyi
"	lambertiana
"	murrayana
Lobelia	diuersa
Abies	concolor
Acetosella	petala
Ceanothus	divaricatus?
Castilleja	
Salix	in meadow
Veratrum	"
Dodecatheon	alpina
Ericameria	"
Sympocarpus	parviflorus
Pentstemon	lambornii
Ribes	nevadensis
Prunus	emarginata
Solidago	"
Helium	bigelowii
Anemone	californica

Ridland, Aug. 17

E.	Mimus	2	
A.	Carpodacus fusca	+	
E.	Pipilo senicula	"	
R.	Zenaidura	a few	
P.	Trochocorypha	com	
P.	Pelioptila	,	
R.	Chrysothraupis	a few	
F.	Catherpes	4	2000
R.	Salpinctes	3	4



cor 2000-6200  
1 2700-  
cor. 2000-6200  
5000-  
7000-9000  
"

Aug. 18 Bluff Lake			
Turco thrush	abn		
Spizella breweri	abn		
Carpodacus saussi	cor -8200 a few 7500-8000 spur.		
Empidonax			
Selasphorus rufus	1		
Cotopaxi richardsoni	com		
Parus gambeli	0		
Dendroica auduboni	4 yg. abn 1000		
" townsendi			
Piranga ludoviciana	+	com	
Sialia		abn	
Trochocorypha			

Nucifraga 3 birds at 8000  
Oreospiiza com  
Hylocichla ?

Merula migratoria pro - 4  
Bubo - heard + feathers found

Aug. 19 Bluff Lake

Passerella	
Cyanocitta	9100
Spinus pinus	
Helminthophila c. laticeps	7500-8000
Wilsonia pileolata	
Calypte anna	
Pipilo maculatus	1
Empidonax thysoides	1
Thraupis	cor. 4900, 7500-8000
Colaptes	
Tachycineta thalassina	

Aug. 20 to Dry Lake

Cyanocitta stelleri	6 at 7300
Ophiocoma	-6500
Chamaea	" "
Buteo b. calurus	20000

Aug. 21

Nucifraga	9000-10000 a few
Turco	abn - 11400
Aquila chrysaetos	3 20000
Chordiles virginianus	com 9000

Aug. 22

Cinclus	2 at 9000
Phalaenoptilus	1 at 8000
Cyanocitta	-9100
Hypocnemis	1 at 8000
Vireo swainsoni	0 rarely others



Ridland, Aug. 17

Mimus	2	
Carpodacus frontalis	+	
Pipilo senicula	"	
Zenaidura	a few	
Trochocercus	con	
Polioptila	,	
Chrysothraupis	a few	
Catherpes	4	2000
Salpinctes	3	4

Aphelocoma	con	2000-6200
Cyanistes	1	2700-
Chamaea	con.	2000-6200
Oreotrochus		5000-
Sitta pygmaea		7000-9000
Turco		.
Spizella breweri		
Arenaria	4000-6000	

Aug. 18 Bluff Lake

Turco	abn	
Spizella breweri	abn	
Carpodacus cassinii	con	-8200
Empidonax	a few spec.	7500-8000
Selasphorus rufus	1	
Contopus richardsoni	con	
Picus gambeli	0	
Dendroica auduboni	49. abn.	10000
" townsendi		

Piranga ludoviciana	+	con
Sialia		abn
Zoothera		

Vaccinaga 3 birds at 8000  
Oreospiza con  
Hylaegeia ?

Merula migratoria pro - 4

Bubo - heard + feathers found  
Aug. 19 Bluff Lake

Passerella  
Cyanocitta - 9/00  
Spinus pinus  
Ailiumbophila c. latirostris 7500-8000  
Wilsonia pileolata  
Calypte anna  
Pipilo maculatus 1  
Sphyrapicus thyroides 1  
Pericrocotus 49. abn. 7000-8000  
Colaptes  
Jacamarthalassina

Aug. 20 to Dry Lake

Cyanospizetes 6 at 7300  
Ophioleoma - 6500  
Chamaea " "  
Buteo b. calurus 20000

Aug. 21

Vaccinaga 9000-10000 a few  
Junco abn - 114000  
Agelaius chrysanthos 3 20000  
Chordiles virginianus con 9000

Aug. 22

Cinclus 2 at 9000  
Mallotus 1 at 8000  
Lanius 1 at 8000  
Thraupis 1 at 8000  
Vireo swainsoni 0 rarely at 8000

Aug. 20

D.	<i>Quercus californica</i>	7300
A.	<i>Cirsocarpus ledifolius</i>	"
E.	<i>Coronis occidentalis</i>	"
R.	<i>Artemesia venulosa</i>	
P.	<i>Populus angustifolia</i>	"
F.	Rosa	

Bear Valley	7250
Summit	7500
Upper Sonoran	6500 SW
Bottom of slope	6200

Santa Ana R.

J.	<i>Artemesia strobliana</i>	5400
O.	<i>Bigelow Carex</i>	" - 5600
S.	<i>Opuntia occidentalis</i> at	5500 SW.
H.	<i>Amorpha californica</i>	5400-6000
F.	<i>Libocedrus</i>	5400-
I.	<i>Arctostaphylos patula</i>	8000 - 9500
G.	<i>Holodiscus</i>	8000-10000

Head of S. Fork 8000

J.	<i>Pinus montereyana</i>	8000-11500
Z.	<i>Ribes cereum</i>	8000-9500
X.	"	
H.	<i>Pinus flexilis</i>	9000 - 11480 SW 9000 - 10000 NE
D.	Dry Lake	9000

Hudsonian 1000 N.E. - 11480

B.	<i>Bryanthus breweri</i>	1000 N.E. - 11480
R.	<i>Rhamnus</i>	1000-11000
H.	<i>Holodiscus</i>	" - 11480
C.	<i>Heuchera</i>	" - "
C.	<i>Coronis</i>	10000-11000

*Eriogonum procumbens* 11000-11480

*Helenium* ? " "

Aster? " "

Grass *Festuca maura?* 10000 "

" *Setaria rigidum* " "

*Antennaria alpina* 11000 "

*Eriogonum caespitosum* " "

*Phlox diffusa*? " "

*Ranunculus* 10000 "

*Ribes* 11000 "

*Oxytropis* " "

*Senecio multiceps* " "

Dry Lake

*Artemesia* low

Celastrus

Eriogonum

Trefoil

Cynopterus

Catalina

Eriogonum

Aug. 27 down

*Juniperus occidentalis* 1 at 8700 N.E.

*Chrysothamnus* " - 8500

Head of S. Fork 8500

*Sambucus* - 8500

Aug. 25 Bear Lake

O.	Coldenbus	con
A.	Tulcea	2000
E.	Eupterixus	3
D.	Sturnilla	con
R.	Otocoris	200
P.	Zafeo spaeversus	13 sec
F.	<sup>magisterius</sup> Sialia occidentalis	obv
A.	Spizella	4
E.	Amphispiza nevadensis	con
P.	Coleoptek cefas	"
D.	Gadwall	100
R.	Oxyechus vocifer	10
S.	Tringa small	6
H.	Tringitis macularia	b, con
F.	Sayornis saya	1

Doble

I.	Oreasterix	12 in west pines
I.	Aphelocoma	20
I.	Chondestes grammacus	a
I.	Nyctanthes emarginata	1 sec

Baldwin Lake

L.	Colymbus auratus + yg	con
X.	Podolynchus	.
	Tulcea + yg	"
	Eremnatura albida	20
	Pitotchilidion leuifrons - a few	

Bear Lake

Artemisia tridentata con  
" " "  
Gutierrezia cuttawas? con  
Bigelowia tortifolia " "  
Spiraea (Capitatae) " "  
" silvery " "  
Juniperus occidentalis " "  
Pinus monophylla " "  
Juniperus californica " "  
Cercocarpus ledophylus " "  
Amaranthus a. versicolor " "  
Bigelowia gracilens " "  
~~Spiraea sayi~~ " "  
~~Kitagania glauca~~ " "  
Asclepias " "  
Doble

Doble & summit

Ephedra antisyphilitica - 7000  
Ceanothus cuneatus " "  
Andropogon means " "  
Styrax " "  
Musca brachialis " "  
Cerens " "  
Opuntia " "  
Cerens engelmanni? " "  
Tetradymia canescens " "

San Bernardino Mts.

*Odocoileus hemionus* some  
*Scirurus n. anthonyi* reported  
*Citellus beecheri* " "  
*Callospermophilus lateralis* "  
*Eutamias amoenus* a few  
" *callipeplus* sp. inc. com  
*Perognathus sonoriensis* "  
*Motona* "  
  
*Microtus californicus* "  
" *m. beverardinus* "  
*Thomomys talpoides* "  
*Perodipus* nodes  
*Erythizon* co  
*Lepus arizonae*, al Doble  
*Cavia latrans* a few  
*Urocyon* co  
*Lynx* "  
*Felis* ?  
*Mephitis* tracks  
*Zapus* hobs  
*Scapanus*  
*Vesperomys fuscus* co  
*Myotis* "

Redlands

*Eriogonum virginatum*,  
*Antennaria nudicaulis*, Tealote thills  
*Arava barbata*  
*Carthamus toumeyi* F

Aug. 29 Redlands, Santa Ana Wash  
*Juniperus californica*  
*Rhus ovata*  
*Rhamnus crocea*  
*Eriodictyon glaucescens*  
*Purshia glandulosa*  
*Yucca whipplei*  

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*Kunzea intermedia*  
*Aplopappus palmari*  
*Persea microcephala*  
*Eriogonum fasciculatum*  
*Hosackia globosa*  
*Ranunculus polyrhizus*  
*Spiraea douglasii*  
*Tetradymia squarrosa*  
*Opuntia berardiana*  
" *occidentalis*  
*Lupinus foliaceus* ?  
*Baccharis viminea*  
*Corethrogyne virginica bernardina*  
*Encelia fasciata*  
*Baccharis viminea*  
" *engelmieri* (toward San Bernardino)  
*Tetradymia squarrosa*  
" *canescens*  
*Helianthus annuus*  
" *gracilis*  
*Fragaria*  
*Gentianella californica*  
*Euphorbia albovarginata*  
*Chilopsis*  
*Atriplex canescens*

Sept. 3 San Bernardino to Glen Ranch: Cercocarpus betulifolius 1500-5500

E.	<i>Encelia farinosa</i>	- 2500	<i>Rhus trilobata</i>	" - 4000
A.	" <i>californica</i>	" " <i>divaricata</i>	" "	" "
E.	<i>Sinus douglasii</i>	"	<i>Eriodictyon glaucescens</i>	" 6000
	<i>Gutierrezia divaricata</i>	"	<i>Prunus ilicifolia</i>	" 5000
P.	<i>Helianthus annuus</i>	"	<i>Platimus</i>	"
	<i>Mitchella?</i> (1267)	"	<i>Populus fremontii</i>	"
P.	<i>Baccharis viminea</i>	"	<i>Juglans rupestris California</i> 1500-	
F.	<i>Tetradymia glabrata</i> in wash	- 5000	<i>Sambucus glauca</i> ~ 7000	
F.	<i>Tetradymia canescens?</i>	- 2500	<i>Rhamnus crocea</i> 1500-2000	
	<i>Artemesia californica</i>	"		
E.	<i>Cornutogyna bernardina</i>	"		
F.	<i>Eremocarpus setigerus</i> abn	"	<u>2000 feet</u>	
	<i>Croton californicus</i>	"	<i>Aretostaphylos glauca</i> 2000-3500	
S.	<i>Anisotoma</i>	"	<i>Rhamnus liliifolia</i> " 5500	
F.	<i>Opuntia occidentalis</i>	"	<i>Garrya poliveri</i> " 6300	
	" <i>bernardina</i>	"	<i>Psudotemna maculosa</i> (S.W.) 3000- N.E. 2000-4500	
I.	<i>Hosackia glabra</i>	"	<i>Quercus dumosa</i> N.E. 2000-4000	
	<i>Ranunculus polystachys</i>	- 3500	" <i>viscosa</i> " 6000	
	" <i>stachysoides</i>	"	<i>Castilleja pallida</i> (no 1258) ~ 6000	
	<i>Ericogonium parvifolium</i>	- 5000		
	<i>Ambrasia</i>			
	<i>Cucurbita</i>			
	<i>Cuscuta</i>	- 5000		
	<i>Datura</i>			

3500 feet

•	<i>Adenostoma fasciculatum</i>	S.W. 2000-4000 N.S. 1500-6000
•	<i>Yucca whipplei</i>	" 6300
	<i>Ceanothus crassifolius</i> " <i>spatulatus</i> "	- 3000
	"	2000-4000

Glen Ranch 3260  
Mrs. Applewhite

•	<i>Rhamnus californicus</i> co	- 7000
•	<i>Aretostaphylos montana</i> " few	- 5000
•	<i>Alnus rhombifolia</i>	- 7000
	<i>Salix</i>	- 7000
	<del><i>Pinus ponderosa</i> 47000 a few</del>	5500-
	<del><i>Abies concolor</i></del>	"
	<del><i>Ceanothus thyrsiflorus</i></del>	5000-
	<del><i>Pentstemon serrulatus</i></del>	"

Sept. 3. up Lytel Cr.

• <i>Eryngia</i> ?	3300-6500
• <i>Neuroleathus thurisiflorus</i>	5000-7000
• <i>Artemesia tridentata</i>	" - 6500
• <i>Quercus chrysolepis</i>	" - 7000
• <i>Pentstemon texanus</i>	" - 6000
• <i>Pinus ponderosa</i> (open at 4700)	5500-7000
• <i>Abies concolor</i>	" - 8500
• <i>Penstemon marginatus</i>	3600-
• <i>Lithocidra</i>	5700-7000
• <i>Ribes sanguineum</i>	" - 7000
• " <i>circum spiny</i>	5500-7500
• <i>Ceanothus divergens</i>	5500-7500
• <i>Arenostophylos manganica</i> (1262)	6000-6500
• <i>Pinus lambertiana</i>	6300-7700
• " <i>jeffreyi</i>	7000-9000
• <i>Arenostophylos pectoralis</i>	" - 9000
• <i>Castenopsis</i>	7000-9000

Summit 7700

• <i>Pinus flexilis</i>	8000-10000
• " <i>murrayana</i>	S.W. 8500-10000 N.E. 8000-10000
• <i>Circoarpas idahoensis</i>	8000-9000
• <i>Rubus</i> blackcaps	- 7000
• <i>Platanus</i>	- 7000
• <i>Solidago</i>	- "
• <i>Pentstemon latifolius</i> "speciosus"	- "
• <i>Chokechererry</i>	6000-7000
• <i>Quercus wislizenii</i>	- 6000
• <i>Hitteromia</i>	2500-3000
• " <i>Penaphyllum</i>	2000-4000
• <i>Toweria subapicata</i>	" - 5000

Summit Sep. 4,

<i>Adeonaster fasciculata</i> ,	abs
<i>Arenostophylos glauca</i>	"
<i>Jarrya v. Salvini</i>	"
<i>Ceanothus cuneatus</i>	"
" <i>Oreosiphon</i>	"
<i>Yucca whipplei</i>	"
<i>Yucca brevifolia</i> abn 2 mi. N.	
<i>Quercus dumosa</i>	com
<i>Cercocarpus betulafolia</i>	"
<i>Artemesia tridentata</i>	"
<i>Erigeron fasciculatus</i>	"
<i>Prunus ilicifolia</i>	"
<i>Rhamnus ilicifolia</i>	"
<i>Rhus trilobata</i>	"
<i>Quercus wislizenii</i>	open
<i>Torreya subspicata</i>	com
<i>Eriogonum glutinosum</i>	"
<i>Baccharis "hiltella"</i> (1212)	
" <i>Medi</i> " (1262)	



*Quercus* 4 bushes  
*Ephedra nevadensis* 1 bush



Sept. 3. up Lytel Cr.

D.	• <i>Styrax</i>	3300-6500
A.	• <i>Ceanothus thuriflorus</i>	5000-7000
E.	• <i>Artemesia tridentata</i>	" - 6500
R.	• <i>Quercus elatia stepis</i>	" - 7000
P.	• <i>Pentstemon tenuis</i>	" - 6000
	• <i>Pinus ponderosa</i> (repeated 4700)	5500-7000
R.	• <i>Abies concolor</i>	" - 8500
F.	• <i>Pinus engelmanni</i>	5600-
F.	• <i>Liquidambar</i>	5700-7000
	• <i>Ribes sanguineum</i>	" - 7000
E.	• " <i>cerasifera</i> spiny	5500-7500
J.	• <i>Ceanothus divergens</i>	5500-7500
	• <i>Arctostaphylos manzanita</i> (1262)	6000-6500
S.	• <i>Pinus lambertiana</i>	6500-7300
J.	• " <i>jeffreyi</i>	7000-9000
J.	• <i>Arctostaphylos patula</i>	" . 9000
I.	• <i>Cedrus nevadensis</i>	7000-9000

Summit 7700.

	• <i>Pinus flexilis</i>	8000-10000
	• " <i>murrayana</i>	S.W. 8500-10000 N.E. 8000-10000
J.	• <i>Circocarpus ledifolius</i>	8000-9000
	• <i>Rubus</i> blackcaps	- 7000
	• <i>Platanus</i>	- 7000
	• <i>Solidago</i>	- "
	• <i>Pentstemon latifolius</i> "speciosa"	- "
	• <i>Chokeberry</i>	6000-7000
	• <i>Quercus wislizenii</i>	- 1000
	• <i>Hitteromia</i>	2500-3000
	" <i>Penaphyllum</i>	2000-4000
	• <i>Torresia subspicata</i>	" - 5000

Summit Sept. 4,

Adenostoma fasciculatum	abs
Arctostaphylos glauca	"
Garrya v. salicifolia	"
Ceanothus cuneatus	"
" <i>Crassifolius</i>	"
Yucca whipplei	"
Yucca baccata abn 2 mi. N.	
Quercus dumosa	com
Cercocarpus betuloides	"
Artemesia tridentata	"
Erigeron fasciculatus	"
Pinus ilexifolia	"
Rhamnus ilicifolia	"
Rhus trilobata	"
Quercus wislizenii	afas
Lonicera subspicata	com
Eriogonum glutinosum	"
Baccharis "pilifolia" (1212)	
"Media"	(1262)

*Cordylaea* 4 bushes

*Ephedra nevadensis* 1 bush

Sept. 3 Glen Ranch

Buteo elegans	1	
Aphelocoma		or
Pipilo smyrnæ		-
Carpodacus fontalis		-
Spinus		-
Spizella breweri		-
Chondestes grammacus		-
Habia melanocephala	2	Common
Vireo cassinii?	heard	
Troglodytes	1	
Zenaidura	1	
Sialia occidentalis	com.	
Parus gambeli	com	4000-5000
Sitta pygmaea		- 7000
Cyanocitta		- - "
Picumnus	nesting	6500-8500
Alauda?		"
Turac	com	"
Dendroica auduboni		6900-8500
Castanopsis		-
Geothlypis trichas		1 at 8500
Regulus		1 "
Aquila chrysaetos		2 at 9000
Falco mexicanus		1 at 8000
Zenaidura	com	3300-7000
Sayornis nigricans	1	at 3300
Zenaidura	1	-
Zenaidura	1	-
Pipilo megalurus	1	-
Oreortyx	com	3300-7000

Oreortyx	com.
Dryobates scalaris	3300-7000
Colaptes	" -

Summit

Phainopepla	1 ♂
Aphelocoma	com
Colaptes	"
Amphispiza	2
Zenaidura	a few

San Gabriel Mts.

Odocoileus	a few
Sciurus antarcticus	"
Citellus leucognathus	common
Entomias merriami	3300-6000
" " speciosus	7000-8500
Nestor	
Thiomyscus	
Lepus auduboni	
" baileyi?	
Canis	
Urocyon	
Lynx	
Felis	
Scapanus	
Vesperugo carpus	upt - 8000 9300

Banning Sept. 8 —

A. *Abianthus annus*  
A. *Aplopappus palmeri*  
E. *Panicum longiligulatum*  
Artemisia dracunculoides  
" *californica*  
Ptiloria versata  
" *pluricarpa*  
Eriogonum setigerum  
Gutierrezia diffusa?  
Tetradymia canescens  
Ephedra 3 leaved  
Corethrodys paniculata  
Gilia trichotoma  
Eriogonum elongatum  
" *virginicum*  
Opuntia fernandinae  
" *bassalana* var.  
" *eng. occidentalis*  
Acacia greggii, abn.  
Eriogonum fasciculatum  
Horsfordia glabra  
Encelia farinosa  
" *californica*  
Ranunculus stellatus  
" *polystachya*  
Salvia  
Baccaria ovinaea  
" *serpylloides*  
Leptospermum squamatum  
Chilopsis

com

a

Cabragia  
Covillea  
Desmodia greggii  
Dulcea  
" "  
Franseria dissecta  
Ghedra  
Gymnocalycium  
" *schizanthophyllum*  
Heuchera mucronata  
Klamath anomala  
Phloxia  
Pectidaria microcephala  
" *glauca*  
" *oblonga*  
Eriogonum palmeri  
" *multijugum*  
Ceanothus engelmannii before  
" *angustifolius* begins  
~~Camassia Eschscholtzii~~  
Isomeria arborea  
Banning on foothills, South  
Adonis amplexicaulis abn  
Prunus ilicifolia com  
" *Zingia* "  
Erodium texanum  
Rhododendron  
In Valley, Datura, "  
Aplopappus palmeri com  
(1213) "  
(1214) "  
2 sp.

White walls

O *Pseudognaphalium glandulosum* abn.  
 A *Opuntia spinescens* faginea  
 E *Eriogonum fasciculatum* fuscum  
 - *Thermopsis macrocarpa*  
 R *Eryngium*

Palaeoxia playi

R *Bisoria canescens* (Hall)

Myopis

Boldoia *sericea*  
*serithodes*

Bluegill

Andrea

Penstemon *lanceolatus*

Douglas

Tolagaria

Aneurolepis *divaricata*

Trompey

Ridge 2600

Mojave Valley 2600

Pedicularis *glaucostachys*, *canina*

Chilopsis *fulva*

Cotilla

Acaia *greggii*

Mesquite *plumosa*

*serithodes*

Clivosa *botrys*

Ephedra

Giant shrubs

*Acacia* *beaumontii*

*Callipepla* *luteola*

*Ceanothus* *angustifolius*

*Ceanothus* *macrocarpus*

*Ceanothus* *intermedius*

*Ceanothus* *leucodermis*

*Calochortus* *platycarpus*

*Chrysothamnus* *carrizoensis*

*Ericameria* *inflata*

*Eschscholtzia* *californica*

*Festuca* *glauca*

*Gilia* *speciosa*

*Hedysarum* *occidentale*

*Hordeum* *californicum*

*Leptosiphon* *glaucus*

*Lomatium nudicaule*

*Malacothrix* *concreta*

*Microseris* *occidentalis*

*Monardella* *occidentalis*

*Myrsinella* *californica*

*Myrsinella* *occidentalis*

*Myrsinella*

E	Ephedra	2	abn.
S	Salicornia		"
A	Coleogyne		"
E	Lysimachia andersonii		"
R	" big leaf		"
P	Gilia tricolor	vg	"
F	Populus?		"
A	Zizadymia canescens	"	"
E	Encelia parviflora	dwarf	"
P	"		"
O	Cleome	leafless	"
E	Eriogonum fasciculatum	dwarf	"
P	" inflata		"
O	" nodosa		"
E	Dalea		"
F	"		"
O	Hosackia glabra	con. in places	"
I	Croton californicus	"	"
G	Gilia glabra		"
I	Milium regidum		abn.

on ridges, N slope  
*Juniperus californica*  
*Quercus dumosa*  
*Arctostaphylos glauca*  
*Anisodontia*  
*Ericogonium fasciculatum desertorum*  
*Coleogyne ranunculina?*

<u>Birds</u>		
<i>Archibuteo</i>	4	
<i>Icteria virens</i>	2	
" sp	5	
<i>Zenaidura gambeli</i>	abn.	
<i>Querula</i>	b	
<i>Barbula</i>	1	
<i>Brachypteryx</i>	1	
<i>Argiope</i> <i>argiope</i>	1	
<i>Coturnix</i> <i>graysoni</i> ♀ on ridge		
<i>Coracina</i> <i>melanotos</i> ♂ juv		
<i>Querula</i> <i>querula</i>		
<i>Leptasthenura</i>	1	
<i>Colaptes</i>	2	
<i>Colaptes</i>	2	
<i>Calandrellus longirostris</i> abn.		
<i>Amphispiza bilineata</i> juv		
<i>Otocoris</i>	abn.	
<i>Sturnella</i>		
<i>Pooecetes</i>		
<i>Phainopepla</i> <i>griseola</i>	1	
<i>Hedopodops</i>	com	

W. California

Scapular Coopers	17	a few
Bellied Catbird	1	"
Brown Owl	3	"
Spoonbill crane	2	"
Night Heron	2	"
Orchard warbler	1	dead
Cowbird <i>sumatranus</i>	1	"
Zenaidura	1	con
Spurred	1	a few
Blue rock sp.	3	con
Coyote silvaticus	4	"
Sierra Nevada	4	"
Yellow bellied	4	"
Blue rock sp.	4	"
Heliobolus	4	"
Dryobates s. bairdi	2	
Sayornis nigricans	1	a few
Zenaidura <i>adansonii</i>	1	lates, con
<u>Passenger Pigeon</u>		
Purple	1	dead
Anthrocetes	1	con
Tophornis gambeli	6	con
Nictocoryx	2	
Querquedula	1	
Dryobates s. bairdi	1	
Heliobolus	6	
Zenaidura	1	con
Gymnispiza b. nevadensis	1	
Heliobolus	1	
Hirundo	a few at Warner	

Plant Catalogue 1907

Santa Ana Mts. Coldwater canyon

1188. *Ribes amarum* (C) fuzzy

1189. *Aestrostaphylos*

1190. *Calochortus*

Zembla, July 25

1191. *Oenothera bernardina*

1192. *Juniperus monosperma*

1193. *Rhamnus crocea*

1194. *Rhamnus ilicifolia*

Tidywile July 30

1195. *Adeastraea apicifolium*

1196. *Aestrostaphylos marginata* 5000-5500

1197. " " *p. drupacea?* 5000-6500

1198. " " *glabra* 4000

1199. " " *tomentosa* 2500-5000

1200. " " *patula?* 3000-7700-9300

(Aug 5)

San Jacinto Mts.

1201. *Ribes nevadensis* (C)

~~1202.~~

1202. " *cereum* (C)"

1203. " *monticolum* (C)"

1204. *Huechera*

1205. *Ceanothus cordulatus* - 2500

~~1206.~~

1206. *Cercocarpus "pubescens"*

1207. " *bodinieri* ?

1208. *Ribes nevadensis* (C)

1209. *Ceanothus integerrimus*

1210. *Ceanothus cuneatus*, Aug. 13,  
2000-3000 feet

San Jacinto Aug. 14.

1211. *Zygophyllum squaratum* bogies

1212. *Bartsia linearis*  
*Eriogonum pinnifolia*

1213. *Hethrotheca floribunda*

1214. *Chrysopsis setosa* folia

1215. "*Eryngium*" ~~nevadense~~ shrubby ssp.

1216. *Gilia* woodii sps.

1217. *Spinellia florula* woodii

1218. *Abreoia*

1219. *Oenothera* pink

San Bernardino Mts. Aug. 21-26

1220. *Ribes cereum* (C) 9000 ft

1221. *Ribes cereum nevadensis* (C) 6000

1222. *Ribes roezli* (= *conicum*) (C) very open 6000

1223. *Ribes montigenum* (C)  
~~taeniatum~~ (= *luteum*) 11480

Top of Grayback 11480 feet

1224. *Huechera elegans*

5 *Erriogonum kennedyi*

6. *Dittrichia Oxytropis oreophila*

7. *Draba corrugata*

8. *Sidalcea* ~~oreocanica~~ *oreocanica*

9. *Polygonum perfoliatum* - a form of.

1230. *Saxifraga* *Androsaemifolia* subsp.

1. *Anemone alpina media*

2. *Erigeron compositis discoidalis* 22

3. *Erigeron concinnum aphanisticus*

4. *Archangelia media*

<u>Top of Grayback</u>		
1235. <i>Hedysarum vestata pygmaea</i>		
6. <i>Ranunculus oxygenatus</i>		
7. Grass <i>Festuca minima</i>		
8. <i>Solanum rigidum</i>		
" <i>Solanum americanum</i>		
9. <i>Side of Grayback</i>		
1239. <i>Bryanthus breweri</i>	10000-11000	
<u>Bear Valley</u>		
1240. <i>Amelanchier</i>	7000	
1241. <i>Cercocarpus ledifolius</i>	"	
1242. <i>Populus angustifolia</i>	"	
1243. <i>Asteriscia tridentata</i>	"	
4. " <i>sotrockiorum</i> "	"	
<u>Bear Valley, east end</u> -	7000	
1245. <i>Gutierrezia euthamiae lucida</i>		
6. <i>Dudubertia compacta</i>		
7. <i>Ceanothus cuneatus</i>		
8. <i>Ceanothus mitchelianus</i>		
9. <i>Ephedra viridis</i>		
<u>Bear Lake</u>		
1250. <i>Grayathura tortifolia</i>		
1. <i>Gutierrezia</i>		
2.		
5. <u>Steps of Mts.</u>		
1252. <i>Bigelovia</i>	"conica"	6000 ft
<u>Bear Valley, east end</u>		
1253. <i>Juniperus occidentalis</i>	7000 ft	
<u>San Bernardino Mts. S. edge</u>		
1254. <i>Arctostaphylos tomentosa</i>		6000
1255. <i>Arctostaphylos glauca</i> ?		4000
1256. <i>Ceanothus thrysiphorus</i>		6000
1257. <i>Ceanothus cordulatus</i> ?		5000
1258. <i>Ceanothus cordulatus</i> thorny		5000
1259. <i>Ceanothus crassifolius</i>		4000
1260. <i>Ranunc</i>	(various)	4000-6000
<u>Mentone</u> Aug. 29,		
1261. <i>Cosethroopis v. bernardina</i>		topotype
1262. <del>Horde</del> <i>Lascangia glandulosa</i>		
	<u>San Gabriel Mts. E. base San Antonio Peak</u>	
1263. <i>Arctostaphylos</i>		6000 ft
1264. <i>Arctostaphylos potosae</i>		7000
1265. <i>Ceanothus diphyllus</i>		7000
1266. <i>Ceanothus thyrsiflorus</i>		6000
<u>Cajon Pass</u>		
1267. <i>Ceanothus crassifolius</i>		3000

Cajon Pass

1268. *Ceanothus* ~~grayi~~ <sup>grayi</sup>

1269. *Rhamnus crocea*

1270. *Rhamnus ilicifolia*

1 San Bernardino

1271. *Juglans californica*

Redlands

1272. *Tetradymia canescens*

1273. *Rhamnus crocea*

1274. *Rhamnus torrentosae* or var.

Mohave Desert, Warren Well

1275. *Sinuaria fastigata*

1276. *Arctostaphylos glauca*

1277. *Prunus andersonii* ?

1278. *Opuntia bigelovii*

\* 24 Moro Mission Creek

1279. *Opuntia tessellata revoluta*

1280. *Opuntia basilaris revoluta*

1281. *Opuntia echinoidea*

Morongo Valley

1282. *Baccharis sericea*

Whitewater

1283. *Cereus engelmanni*

San Jacinto Valley, Sept. 19

1284. *Opuntia bernardina*

Beaumont (4 mi. S.)

1285. *Arctostaphylos glauca*

1286. *Ceanothus cuneatus*

Mt. Yorke, Sept. 25

1287. *Arctostaphylos torrentosa*

1288. *Garrya v. palmeri*

1289. *Ceanothus thyrsiflorus*

1290. *Eriogonum californicum*

San Gabriel Canyon 2000 ft

1291. *Garrya undulata*?

San Pedro

1292. *Lomatium nudicaule*

1293. *Rhus integrifolia*

1294. *Opuntia prolifera*

1295. " *occedentalis* lithophila

San Diego. Oct. 12

1296. ~~Lepidium~~ *Leptospartium*  
*Baccharis sergiloides*

1297. *Baccharis serothodes?*  
*Baccharis sergiloides*

1298. *Chrysanthemum brachylepis*

1299. ~~Glechoma~~ *Glechoma* *menziesii*

1300. *Cedrolphia*  
 II.

Tamul

1301. *Quercus dumosa?* ~~lanceolata~~

Dulzura

1302. *Quercus dumosa*  
Cottonwood Cr.

1303. *Chrysanthemum?*

*Isoeoua veronicoides*

1304. *Ephedra*

1305. oval leaf

1306. *Ambrosia* shrubby

1307. *Chrysanthemum ilicifolius?*

*Appenpus (Razardia) squarrosa*

Patrero

1308. *Cirsocarpus*

" 9. *Carthamus crassifolius*

1309. *Carthamus means?*

" 1. " " *patula*

2. *Condalia*

1313. *Arctostaphylos bicolor*

" 4. " ~~tomentosa~~ <sup>"</sup> *tomentosa*

" 5. " *tomentosa*

" 6. " "

Campo, 2600ft

7. *Jerseyita palmeri*

8. *Arctostaphylos manzanita*

9. " "

1320. *Castilleja cuneata*

1. *Rhamnus tomentella*

2. *Sedum glaucum*

3. *Cercocarpus parviflorus* 3900

Coyote Mtn. Oct. 15-16

1324. *Arctostaphylos*

" 5. *Carthamus*

big green

" 6, 7, 8, 9, " "

1330. *Carthamus*

" 1. " "

2. *Arctostaphylos p. drupacea*

3. *Cercocarpus parviflorus*

4. *Symphoricarpos malibensis*

5. " *racemosa*

Coyote Mtn. Juber Oct. 17

1335. *Symphoricarpos racemosa*

" 6. *Berberis*

" 7. *Carthamus pubescens*

" 8. " *fabulosus*

Mesa Grande, Oct. 17

1339. *Styrax*

1340. *Fremontodendron*

San Pasqual Canyon, Oct. 20.

1341. *Ceanothus tomentosus?*  
 2. *Cordalea*  
 3. *Ceanothus crassifolius*  
 4. *Cercocarpus glabrosta*

Poway Station, Oct. 21.

1345. *Ceanothus spinatus*

1346. *Rhus integrifolia*

Rosedale, near San Diego Oct. 21.

1347. *Ceanothus 'obovatus'*

Banning

<i>Trochocera californica</i>	abn
<i>Zenaidura</i>	com
<i>Corvus sinuatus</i>	a few
<i>Euphagus</i>	com
<i>Sturnella</i>	"
<i>Otocoris</i>	"
<i>Myioarchus cinereiceps</i>	1
<i>Amphispiza bilineata</i> or <i>no-</i>	a
"    "	

Ferrando, Oct. 29,

1400. *Oenothera* not monandra  
 1401. " " not oenothera  
 1402. *Ribes hesperium?* (contd.)

Banning

Apricots	dm. \$60 per ton
Prunes	"
Grapes	" + winey
Peaches	"
Pears	com,
Ligs	a few
Olives	" good
Orange trees	a few, have been
Almonds	good for market
Walnuts	a few, poor
Pepper trees	dm.
Eucalyptus	a few.
Palms	a few small,

Beaumont to San Jacinto Lake

*Odovostoma possevelatum*  
*Quercus wislizenii*  
 " *dunosa*  
*Rhus ovata*  
 " *trilobata*  
*Nettromelis*  
*Cretostophylos glauca*  
*Prunus ilicifolia*  
*Rhamnus crocea*  
*Ceanothus crossifolia*  
*Lonicera subspicata*  
*Fraxinus*  
*Atriplex canescens*  
*Eriogonum possevelatum*  
 " *elongatum*  
*Ranuncula polystachya*  
 " *stachyoides*  
*Fraxinus*  
*Hosackia glabra*  
*Chilicothle*  
*Yucca whipplei*  
 " *nobovensis*  
*Pentstemon antiochensis*  
*Artemisia californica*  
*Faucheria californica*  
*Turritis* *apratidea*  
*Rhamnus ilicifolia* " few

Bearfoot

*Eriogonum setigerum* abr  
*Croton californicus*  
*Nichollia lanceolata*  
*Ptilosperma argentea*  
 " *phacocarpa*  
*Croothamnus bernardii*  
*Helianthus annuus*  
*Artemisia dracunculus*  
 " *californica*  
*Ambrosia*  
*Cucurbita*

2 mi. West

*Opuntia bernardii* co  
*Prosopis* a few

Pasadena, Sept. 23 & 24

<i>Trichostema lanceolata</i>	- 1700
<i>Eriogonum setigerum</i>	- "
<i>Ducus agrifolia</i>	- 2000
" <i>wislizenii</i>	7500 -
<i>Platium engelmanni</i>	750 -
<i>Artemisia californica</i>	- 2000
<i>Ranuncula polystachys</i>	- 4000
" <i>stachysoides</i>	- "
<i>Hosackia glabra</i>	- 2000
<i>Horehound</i>	- 1800
<i>Gnaphalium</i>	- 3000
<i>Eschscholtzia</i>	- 1500
<i>Ptilosperma argentea</i>	- 1800
" <i>phacocarpa</i>	- "
<i>Eriogonum elongatum</i>	- 4000
<i>Opuntia occidentalis</i>	-
<i>Zenobia douglasii</i>	- 3200
<i>Hebantus annuus</i>	- 1500
<i>Eriogonum fasciculatum</i>	- 3000

Up Mt. Lowe Sept. 24.

<i>Quercus agrifolia</i>	- 2200
" <i>wislizenii</i>	2000 - top
" <i>leucosperma</i>	2200 -
" <i>chrysolepis</i>	2000 - top
<i>Platina racemosa</i>	2000 - 5000
<i>Rhus laurina</i>	1500 - 4000
" <i>ovata</i>	5000 - 5400
" <i>trilobata</i>	
" <i>discrepans</i>	2000 - 5000
<i>Rhamnus californica</i>	2000 - 5500
" " <i>ilicifolia</i>	2000 - 5400
<i>Ceanothus diversifolius</i>	2300 - 5300
" <i>crassifolius</i>	2000 - 4000
<i>Sambucus glauca</i>	4000 - top - 2000
<i>Adeona paniculata</i>	2000 - 5400
<i>Panax polyfolia</i>	- 4000
" <i>stachyoides</i>	- 4000
<i>Diploclisia longiflora</i>	4000 - 5300
<del><i>Hedysarum glabratum</i> (poor)</del>	2000 - 4500
<i>Heteromeles</i>	
<i>Aretosbphylls taractoria</i>	3000 - top
" " <i>glauca</i>	4000 - 5200
<i>Garrya</i>	3000 - top
<i>Lonicera subspicata</i>	" "
<i>Yucca whipplei</i>	" ~ 5400
<i>Zanthoxylum californicum</i>	2000 - 4400
<i>Circocarpus poropholius</i>	3200 - 5500
<i>Pseudotsuga macrocarpa</i>	2000 - top
<i>Umbellularia</i>	2000 - "
<i>Pinus ilicifolia</i>	3500 - 5400
<i>Eriodictyon tomentosum</i>	" - 5400
" <i>Glutinosum</i>	

Glen Alpine lawn 4500

<i>Aesculus macrophylla</i>	2000 - 4500 -
<i>Pentstemon terminalis</i>	4000 - top
<i>Purshia</i>	wide bef " - "
<i>Rives spinosa</i>	11. 5400 -
<i>Holodiscus</i>	11. " -
<i>Fenestraria</i> (small)	" - - -
<i>Pinus monophylla</i> - 1 on top	
<i>Ceanothus tomentosus</i>	2000 - 4000

Mt. Lowe

<i>Adonis</i>	20 or 3300 ft
<i>Scirpus cyperinus</i>	" to 4500
<i>Clethra beebei</i>	" to top
<i>Eutamias warreni</i>	2000 - top
<i>Heuchera</i> , bases at 4500 + 5300	
<i>Urtica</i>	traces to top

Arroyo Seco. Sep. 27. 1100		Top 5500
Dentia berardii	-1200	Grewia chrysophylla 1400- top
" occidentalis	-	Ceratopeltis " "
Lytosperma granatum	-	Hottentotus " "
Bursera aquifolia	-	Kalmia malifolia 1300-
Ramona polystachya	-	" " spring? "
Astemicia californica	2000	Vaccinium corymbosum "
Hedysarum globre	-	Pectostylis longistylis top
Eambucus	-	" " glauca "
Semisid dorengasi	1500	Castilleja divaricata 1600-6
Baccharis viminea	-	Cevadacostylis "
Micromeria glauca	1200	Pleris aquatica 7500
Rhamnus californica	1200- Top	Quercus dumosa 2200-
Vitis	"	Cercis fendleri "
Bromus diaplee	" top	Ostrya malacoides zigzag
Psoros claviglia	" "	" Swartzers Camp 3000
Alnus	-	Rhus trilobata "
Selix	"	Puntius tectorum "
Abies concolor	2. 1200 -	Bigelovia grandis " - top
Populus trichocarpa	"	Castilleja sororia "
Carotheres tonacatoa	"	Pinus canariensis 2500- "
Cercocarpus pinifolius	top	Libocedrus saitomei on N.E. slope
Endlicheria tonacatoa	"	
Rhamnus tomentella	"	
Arbutus	"	
Urtica ovata	"	
Dipsacus fullonum	"	
Carotheres crassipes	-	
Lorisia		

Anojo Sico

Chamaea	"
Pipilo seniculus	
Dendroica auduboni	
Aphelocoma	
Lophotriccus	
Drepanis cognata	
Phainopepla	
Psaltriparus	
Codornis	
Catherpes	
Cyanocitta	1600-
Polyophaea	2000-
Pithecna megalura	
Contopus richardsoni	1,1500-
Empidonax	1 1000-
Coppsia anna	" -
Dryobates nuttalli	1 at 3500
Cinclus	1 at 1500
Oreortyx	an 3500-top
Zenaidricha intermedia	2,900-
Geococcyx	nestes to 5500
Toxostoma	a few 1200-3500

Sept 28, Colby's camp 3500,

La Junga Cr. 3200.

Pinus coulteri	3200-6100
" ponderosa 1 tree " - 2000	
Pseudotsuga menziesii	" - 5500
Artemisia tridentata	" - 7000
Ceanothus Cuneatus	" - 5000
Quercus wislizenii	" - 5500
Pinus ponderosa	5200 - 8000
" Jeffreyi	" - "
" taubertiana	" " "
Libocedrus decurrens	5300-7700
Solidago californica	" - 7700
Sept. 29, to Buckhorn	
Abies concolor	6000-8000
Acer glabrum coryphyllum	" -
Cercocarpus ledifolius	. - 7000
Hurshera	in cold gulch "
Amelanchier	" 6500
Crotalaria virgata?	"
" patula	6300-7500
Diapheris cordulatus	" " "
Nyctelia	6000-
Bignonia	"
"	"
Cestropsis	ns 7000-7500
Pinus flexilis?	" - 8000
Ribes cereum	6000-7700
Lupinus silvaceus	7000-8000
Sambucus	6000-7500
Holodiscus	- 7800
Rubus vitifolias	8500-10800

Sept. 30 Buckhorn to Idaho  
*Oreococcyx elegans* 7500<sup>561</sup>

Zaffungo Canyon sp. 28  
Tunca thurberi a few 3200-5500  
Tatatora a few  
Aphelocoma con  
Pipilo maculatus con  
Chamaea con all along  
Peris griseus 2 3900  
Chrysolinax lawrencei, hard, at 4000  
  
Sitta pygmaea con 5200  
" arbuta a few "  
Cyanocitta "  
Dendroica auduboni con  
Syrmium malcolmi hard 5300-

Sept. 28. to Buckhorn  
*Oreortyx* con. - a flock, 5500  
*Carpodacus* a few "  
*Poocetesella* con 5500  
*Zenaidura* 8 or 5600  
*Caloptis* 1 5600  
*Melanerpes formicivorus* 31,6000  
*Arthea* "  
*Neotis rufa* con "  
*Myadestes* 1 7000  
*Archibuteo* 1 "  
*Aquila* 1 7900  
*Accipiter cooperii* 1 6500  
*Falco sparverius* 1 8000  
*Hemimelaphis elata* 1 6500  
*Selasphorus calliope* 1 7000

Sept. 30 Buckhorn Woods &  
 Knob Hill  
 Catherpes  
 junco  
*Dendroica auduboni*  
*Corpodacus frontalis* 1  
*Spinus pinus* heard at 7000  
*Passerella*  
*Pipilo maculatus*  
*Buteo idahoensis*  
*Aquila*  
*Parus gambeli*  
*Sialia occidentalis*  
*Cyanocitta*  
*Colaptes*  
*Dryobates villosus* a  
*Wilsonia* 1 at 6500  
*Oreortyx* 6 " 7000  
*Cyanocitta* heard at "  
*Microryza*" 7500  
*Claxidium* 6500  
*Megascops*  
*Colaptes fasciata* 2 at 7000

Sept. 30. Buckhorn & Islip  
*Quercus chrysotipus* - 7500  
*Carothus cordulatus* - 8000  
*Arctostaphylos patula* - "  
*Ribes speciosa* - 7800  
*Primula*

over ridge to Cimago  
 Sept. 30. Down & Squirrel Inn.  
*Artemisia tridentata* - 1500  
*Fusca whipplei* - 6500  
*Carothus diversifolius* - 6000  
*Rhamnus californicus* - "  
*Acropetes parvifolia* - 5500  
*Quercus wislizenii* - "  
 " " dumosa 5000  
*Arctostaphylos glauca* 5500  
 " " marginata ? a few "  
 " " torreana "  
*Pseudotsuga* - 6000  
*Pentstemon* tremulæ - 5500  
*Prunus ilicifolia* - "  
*Rhamnus* " "  
*Adenostoma* - 5200  
*Carothus creosolifolia* - 4000

Squirrel Inn 3300  
*Quercus agrifolia* - 3300  
*Platina* - "  
*Salix* - "  
*Ciliurus* - "  
*Umbelliferous* - "

S Squirrel Inn

S Procyon lotor, tracks to 5500  
 C Eutamias amoenus - lecos  
 I Citellus breweri - -  
 Z Notona house - -

Julian Spruce Dr

Hitteroides 3300  
 Ravosa polystachya "  
 Lonicera 3000  
 Rhus tritobala "  
 Lepidostachys squamata "  
 Opuntia occidentalis a few "  
 Leucanthus thyrsiflora "  
 Tantilla "

Rimosa

2000

Ravosa strobiloides -  
 Noackia glabra -  
 Erriogonum fasciculatum -  
 Rhus canescens -  
 Baccharis vivine 1200  
 Grapinius a few "  
 Heterotheca floribunda 1000  
 Cistanthe californica  
 Ambrosia "  
 Lessingia glandulosa "  
 Corethrodrys berardiana "  
 Heteromeles californica "  
 Encelia bigelovii 2000  
 Maguirea laevigata "  
 Juniperus californica 1/loc 1000  
 Opuntia pyriformis "  
 Eriogonum sitigerum "

San Pedro, Oct. 6 - 8

Eryngiopsis sigra co  
Crotalaria - " "  
Baccharis? small. "  
Madia? "  
Asclepias palmeri "  
Heterotheca floribunda "  
Artemisia calif. "  
Lyceum "  
Ruppia "  
Opuntia occidentalis  
" prolifera  
Microseris glauca  
Heliotropium curassavicum  
Salicornia  
Suaeda  
Mesembryanthemum  
" Distachys nudicaulis  
Ensetea calif.?  
Wild mustard abn.  
Marrubium vulgare "  
Isomeria globosa co  
Corethrodrys virgata co  
Gnaphalium

San Pedro

Rorvorant 1  
Larus  
Ardea herodias co  
Neaminus longirostris 3  
Aigletes 6

Oct. 12 San Diego

*Platynus racemosus* elongatus  
*Nicotiana glauca* con.  
*Sambucus* "  
*Heteromeles* con.  
*Rhus integrifolia*  
" *lancearia*  
" *divisiloba*  
*Rhus ovata*  
*Eriogonum torreyi*  
*Lonicera subspicata*  
*Opuntia occidentalis*  
" *bernardina*  
*Artemisia californica*  
*Cylindropuntia*  
*Dipterocarpus* ?  
*Baccharis viscosa*  
*Ranuncula polystachya*  
  
*Hasleria glabra*  
*Grapholita*  
*Cuscuta*  
*Baccharis*   
*Yucca whipplei*  
*Isomeris*  
*Opuntia prolifera* abn.  
*Eriogonum fasciculatum*  
" *longatum*  
*Eremogeton setiger*  
*Zizostachys laevigata*  
Horseradish

Stockwater R

*Populus fremontii*  
*Salix tristis*  
" *laseolpis*  
*Quercus aginolia*  
*Gutierrezia diversifolia*  
*Phacelia villosa*  
Torrey Gulch = Steel Canyon  
*Quercus engelmanni*  
" *Sierrae*  
*Aduastoma*  
*Pectocephalus pectocephalus*  
*Rhus ovata*  
*Desmodium virgata*

Jamul Ranch  
Oct. 13

Dulquea  
*Phragmites borealis*  
Cottonwood  
*Pentstemon antrochoides*  
*Rhamnus ilicifolia*  
" *crocea*  
*Ceanothus soraefolius*?  
" *divaricatus*?  
" *crassipholis*  
*Prunus ilicifolia*  
*Quercus douglasii*  
" *engelmannii*  
" *aggregata*  
*Prosopis glandulosa*, 1 bush

Oct. 14, Campo	2400 feet	3900
<i>Quercus agilis</i>		5
" <i>engelmanni</i>		
" <i>dawsonia</i>		5
<i>Rhus ovata</i>		5
" <i>diversiloba</i>		
" <i>tilobota</i>		5
<i>Ceanothus diversitoides?</i>	5-1	
" <i>cuneatus</i>		5
" <i>crossifolius</i>		5
<i>Arctostaphylos manzanita?</i>		5
" <i>glauca</i>		5
<i>Adenostoma</i> sp.	5	5
" <i>spiculatum</i>		5
<i>Artemesia tridentata</i>		5
<i>Phacelia integrifolia</i>		5
" <i>tomentella</i>		5-7
<i>Polygonum micropodum</i>		5
<i>Aereocarpus parvifolius</i>		5
<i>Ephedra</i>		5
<i>Yucca whipplei</i> , a little		5
" <i>whipplei</i> co.	5-8	
<i>Opuntia occidentalis</i> , a few weeks		
" <i>verreauxii</i> ?		5
<i>Louisea subapicata</i>		5
<i>Gilia v. pulueri</i>		5
<i>Tetradymia coronata</i> , a few		
" <i>canescens</i>		
<i>Gutierrezia divaricata</i>		5
<i>Chrysanthemum?</i>		
"		

<i>Sambucus</i>	s-	<i>Cuyamaca</i>	<u>Top of Peak 6515</u>
<i>Salix</i>	s*	<i>Pinus coulteri</i>	a few at 4000
"	s-1	" <i>jeffreyi</i>	4000 - top
<i>Populus tremuloides</i> , set out, s-1		<i>Libocedrus</i>	" - top
<i>Rhamnus polyacanthos</i> , a few		<i>Quercus californica</i>	" - "
" " <i>"varia"</i>	a s	" <i>chrysolepis</i>	" - "
<i>Eriogonum pycnolophum</i>	s-	<i>Alnus rhombifolia</i>	
" <i>douglasii</i>	s-1	<i>Cornus californica</i>	4400 -
"	dwarf	<i>Crataegus</i>	big, 4400 - top
<i>Nyssa aquatica glabra</i>	s	<i>Prunus demissa</i>	41200-5300
<i>Rosa</i>		<i>Amelanchier alnifolia</i>	4000-4300
<i>Solidago</i>		<i>Eriogonum ps. "capitatum"</i>	" dwarf "
<i>Prosopis glandulosa</i>	1-s-2	"	" spectra "
<i>Symphoricarpos</i>	s-2	<i>Prunus marginatus</i>	4600 -
<i>Polygonum aviculare</i>	s		

Oct. 15 Campo to Cuyamaca  
*Adenostoma sparsifolium* abu-  
*Chrysothamnus bigelowii*  $\frac{3}{4}$  4000  
*Symphoricarpos racemosa?*  
*Pentstemon tricolor* - 6500

<i>Abies concolor</i>	5500 - top
<i>Pinus lambertiana</i>	" - "
<i>Symphoricarpos mollis</i>	" - "
<i>Ribes</i>	- 6400
<i>Cornus nuttallii</i>	1 bunch "
<i>Eriogonum</i>	- top
<i>Ceanothus</i>	not treated "
<i>Actinotrochus</i> <sup>dwarf</sup> <del>sparsifolius</del>	5000 - top
<i>Cirsocarpus</i>	- "
<i>Rhamnus tomentella</i>	- "
<i>Prunus marginatus</i>	6000 -

Oct. 18 Mesa Grande + Black Mts. top (4055)

Gaura ageraria

" engelmanni"

" divaricata"

" californica" top

" " bigleaf

Platynus

Aretostaphylos glauca

" tomentosa

Rhamnus tomentella

" aliafolia"

Ceanothus incanus

" foliosus" 3500-"

" "

Heteromeles

top

Rhus trilobata

" divaricata"

Cercocarpus betulafolia

most

" " " glabratu" most

Lonicera subspicata

Symplocos racemosa

Ericogonium fasciculatum

Ranunculus polystachia

top

Hedysarum glabra abn. - 3500

Sambucus glauca

Eremocarpus setigerus abn.

Opuntia on rocks

Acerostoma fasciculatum

top

Garrya v. palmeri

Ranunculus californicus

"

" " " paniculata"

Yucca whipplei

- tops

Fraxinus

" "

Pinus coulteri

" "

Rhus ovata

" "

Chrysothamnus

" "

Styrax

" "

Psacium ib�olia

most

Woodwardia

" "

Pteris aquilina

" "

Asturisca capricornia

" "

Rhus laurina

- most

Fremontodendron

con. at

Dudleya pulverulenta

a few.

Solidago californica

con.

Oct. 18 Mesa Granda  
*Zophostes vallicola* abn.  
*Colaptes cafer collaris* co.  
*Dryobates*  
*Melanerpes californicus*  
*Coturnis leucomela* "  
*Pipilo senilis* co.  
*Zonotrichia* "  
*Pipilo maculatus* basal  
*Aphelocoma* co.  
*Carpodacus* "  
*Habenaria lobelioides* 3  
*Baeolophus inornatus* 2  
*Psaltriparus* co.  
*Amara* " top  
*Zenaidura* at water

Oct. 19. To Rancho

Oct. 20. To Escondido+

~~San Pasqual Valley~~

Oct. 21. To San Diego

*Ceanothus* var.

Oct. 23. To Los Angeles and

Banning

Oct. 24. To Whitewater & back

to Beaumont and

Riverside

Oct. 25. To San Bernardino

Oct. 26 San Pasqual Valley  
*Opuntia occidentalis* abn.  
*Atriplex triangularis*  
*Helianthus annuus*  
 " "  
*Dactylis glomerata* big  
 " arachnites? a few  
*Carex stans*  
*Heuchera floribunda*  
*Phlomis pluricarpa*  
*Lecanole thistle*  
*Oenothera*  
*Gilia tricolor* - Torreyana  
*Horchnia*

Oct. 27 Catalina Island

*Rhus laurina* big & co.  
 " *integifolia* "  
*Heteromeles* "  
*Lonicera subspicata* "  
*Rhus diversiloba*, on rocks  
*Artemisia californica* co.  
*Zauschneria californica* "  
*Opuntia littoralis* "  
 " *occidentalis* "

Oct. 28 Fernando, Zehringa Wash.

*Opuntia bernardina*? abn  
" *occidentalis*? "

small pads "

*Platynus* com

*Sambucus* "

*Juniperus californica*

*Rhus laurina*

" *infuscata*

*Yucca whipplei*

*Eriogonum fasciculatum* "

*Astennua californica*

abn.

*Baccharis pilularis*

com

*Leptospartium squamatum*

abn.

*Ranunculus stachyoides*

com

" *polystachys*

"

*Hasskia glabra*

"

*Gutierrezia divaricata*?

"

*Aretostaphylos glauca* a few

com

*Eriodictyon tomentosa*

com

*Senecio bigelovii*

"

*Carthamus crassifolius* a few

com

*Rhamnus crocea*

com

*Heteromeles*

a few

*Micotia glauca*, common place

*Pseudotsuga macrocarpa* - on hills

Cones in wash.

valley out of Wash.

*Eremocarpus sitigera* abn

*Oroton californica* "

*Kieckhafera lanceolata* "

*Ambrosia* big com

*Keenigheria* "

*Hordeolum*

*Helianthus annuus*

*Abelmoschus esculentus*

Oct. 29

*Juglans californica* along washes

Oct. 30 3 turned

*Juglans californica*

along wash

*Quercus agrifolia*

on foothills

Olives fine, abn.

Oranges abn. good.

Oct. 29, Santa Monica Mts. + foothills

*Platinaea cerasifera* along <sup>wad.</sup>

*Juglans californica*

*Quercus lobata*, a large patch

*Rhus laurina*

*Eriogonum fasciculatum*

*Asterolasia californica*

*Rawora polystachya*

" *stachyoides*

*Opuntia occidentalis*

" *littoralis*?

*Eremocarpus sanguineus*

*Alopappus palmeri*?

Horizon

*Trichostema*

*Iptosperma sparsum* in washes

*Quercus dumosa*

*Rhamnus ilicifolia*

*Adenostoma*

*Ceanothus "glabra"* sp. nov.

*Rhus ovata*

*Toniera subspicata*

*Rawora "nivea"*

*Zauschneria californica*

*Quercus agrifolia*

*Heteromeles*

*Ribes rugosum*?

*Malvastrum fasciculatum*

*Ceanothus cuneatus*

*Cercocarpus glabra*

opposite Fernando

*Prunus ilicifolia*

*Baccharis pilularis*?

*Gilia* ~~spp.~~ <sup>arborescens?</sup>

*Yucca whipplei*

*Rhus diversiloba*

*Diplacus longiflorus*

*Rosa*

*Ferns* - 3 kinds

com

1 bush

com.

"

"

along wash

Fernando Valley

*Citellis beebei*

*Neotoma macrotis*?

*Thomomys*

*Perodipus*

*Taxidea* holes + tracks

*Lepus backmani*? tracks

*Canis* coyote "

Saugus Oct. 30 \* up canyons.

Valley species

*Eriogonum sibiricum* obs  
*Croton californicus* "  
*Ficostema*  
*Horehound*  
*Lemnos bigelowii*  
*Opuntia* *longistylis*  
" *bassalis*  
" *rotundifolia*  
*Quercus lobata* con.  
" *coquimbensis*  
*Baccharis viminea*  
*Leptospartium squamulosum*  
*Gutierrezia microcephala?*  
*Platynus racemosus*  
*Atriplex canescens*  
*Juglans californica*  
*Populus fremontii*  
*Staphydrus glaucus*  
*Gedächtnis tomentosa*  
*Salix*  
" *Appleopanax palmensis?*  
*Corynophyllum bernardinae*  
*Opuntia* small pod  
*Micromeria lanceolata*  
*Datura*  
*Alstroemeria floribunda*  
*Penstemon brevis* obs

On ridges & up canyons

*Quercus engelmanni*  
*Arctostaphylos glauca*  
*Juniperus californica*  
*Rhus ovata*  
" *trilobata*  
*Crataegus cuneatus*  
*Rhamnus crocea*  
*Prunus ilicifolia*  
*Prunus*  
*Adeona fasciculatum*  
*Eriogonum fasciculatum*  
*Ranuncula polystachys*  
" *stachyodes*  
" *nivea*  
*Hasackia glabra*  
*Artemisia californica*  
" *treleasei*  
*Ionicera subspicata*  
*Yucca whipplei*  
*Saniclea microphylla*  
*Rosa*  
*Crataegus crassifolia*  
*Carvalus*  
*Oranges*  
*Pomegranates*  
*Olives*  
*Apricots*  
*Castor beans*  
*Eucalyptus*  
*Pecan*  
*Pistachies*

Oct. 31 Santa Barbara

*Quercus agrifolia*

0 - 1400

*Ptatinus*

0 - 1200

*Sambucus glauca*

200 -  
ripe fruit, 1000

*Salix*

" *Rhus laurina*

200 - 6000

" *integifolia*

200 - 500

" *discolor*

300 - 2500

*Cantharis* "globose" sp.

200 - 2500

*Rhamnus crocea*

200 - 1000

" *californica*

200.

*Astilbe californica*

200 - 1200

*Beechニア pinnularis?*

200 - 400

*Hesperomeles*

4000 - top

Forest Dis. Post 5000'

*Rubus polystachys*

300 - 500

" " *angustifolia*

" "

" *stellata*

500 - 2000

*Cercocarpus glabra*

-

*Cantharis macrocarpa*

" - 3000

*Quercus douglasii*

" - top

*Adenostoma*

" - "

*Diplexia*

600 - 2500

*Quercus* 900?

*Prunus ilicifolia*

700 - 3700

*Hosackia glabra*

" - top

*Molophilum fasciculatum?*

"

*Lonicera subspicata*

900 - 2500

*Umbellularia*

1000 - top

*Cantharis tormentosus?*

" - top

Mines 1000?

*Actinomeria rigidum* 1000 - 3900

*Arctostaphylos tormentosa?* 1500 - top?

" *glauca* 1600 - 3600

*Ridg. obovata* 2000 -

*Pinus coulteri* \* - top

*Eriodictyon traskiae* " - 3900

*Garrya "gibbosa"* 2500 - top

*Quercus longistylis* 2500 - "

*Thyrax* 3000 - 3500

*Cercocarpus betulafolia* " - 3700

*Rhamnus ilicifolia* " - 3200

*Xylosteum montana* 3300 - top

*Cladonia speciosa* "

" *crassipilosa* "

*Arctostaphylos* "

*Fusca whipplei* "

*Quercus chrysolepis* 3500 - 4000

" *dunciflora* 3700 - 4000

*Chrisma "lineogolia"* 1. 3900.

*Rhus ovata* 2000 - 3700

*Erriogonum parvifolium* 300 - "

*Rhamnus tanacetifolia* 1600 - "

*Ribes sanguineum* 1. 2500

" *mengelii?* 1. 600 - 1000

~~Pithecellobium~~ *Fraxinus dipetala* 2600

*Garrya v. pubescens* "

*Chamaebatia* "

*Acer macrophyllum* "

H. T. Blake, Oceanside, hotel  
Mrs. B. W. Murray, San Diego

New York  
~~Grand Hotel~~

Miss G. V. Blaine

2428 Pine St. San Fran

Mrs. C. E. Brock, Santa Ana  
519 - 4<sup>th</sup> St

Mrs. T. E. Ellis, Elsinore

Att. Willits, Hemet

W.L. Abdill, Hollywood

C. O. Baker, Banning

brother-in-law of Misses Roth

Altavista Hotel, Banning

Bennett, caught 90 coyotes

Plainville, Minn.

L. M. Bothwell, cook + packer

Westchesterfield, N.H.

Thurman, Bluff Park

Roger S. Palmer

North Ponora

George Robertson, botanist,  
Mentone - Send farnas + D.V. Rep.

William Eskola, for coyotes

Redlands, skulls 75, skins \$1.50

S. G. Howard

Redlands wants to get coyotes

Dr. H. G. Atwood, Riverside

Operahouse block

Walter L. Richardson

120 Arroyo Drivs, Pasadena

Chas. H. Richardson (Swst 2392)

48 N. Wilson Ave., Pasadena,

Francis E. Leupp

U.S. Com. Indian Affairs

W.W. Morris, 3749, 4<sup>th</sup> St.

E.W. Colby, Pasadena, box 324

Mrs Chas. Curtis

2103 Thompson St. Los Angeles

H. T

Mrs.

Mr.

Miss

2 L

Mrs. C

Mr. C

Mr. G

Mr. W

C. O. R

bio

Altar

Plain

L. S

Nes

Rog

Geo

Me

Will

Rog

S. G

Rid

Dr. H.

Op

2590½

W. H. Morris

Standard Seed Co.

1000 ft. above sea level

Alpine

High in the Park

2600 ft. above

Mill Valley

Santa Cruz

Mrs. E. L. Jackson

Redlands, 909 W. 5th St.

Dolf Kolb, Barred

For Dances of Geese, see  
German Seed Co., Los Angeles.

Dr. Wm. Babb  
524 Wall St., Los Angeles

For Goldfinches get off at  
Pacifica on California Coast

1900 ft. above

Sea level

R. & G. Smith, San Francisco



Santa Cruz Mts. Oct. 31	
Aquila	2 at top
Falco sparverius	
Asphelocoma	10
Chamaea	co
Pooecetes	1
Catherpes	2
Pipilo fuscus	10
Melospiza	a few
Carpodacus	"
Astragalinus	a few low down

*Scurus magass* heard at 3000  
*Eudromias mirabilis* 700 - 4000  
 con.